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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

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COUNTRY	East Germany	REPORT	
SUBJECT	VEB Werk fuer Fernmeldewesen HF Special Tube Production	DATE DISTR.	15 December 1954
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This is UNEVALUATED
 Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
 THE APPRAISAL OF CONTENT IS TENTATIVE.
 (FOR KEY SEE REVERSE)

1. In early September 1954, the following list of special tubes, either in development or in production, was circulated in several departments of VEB Werk fuer Fernmeldewesen HF. This list does not include tubes for ordinary broadcast receivers or tubes produced or developed by other East German plants. 25X1
2. Of the three sections of the list, Part A lists tubes which are in current production, or shortly to be in production; Part B, older type tubes, which are still authorized for use in new equipment; and Part C (Planaufgaben), tubes whose production has been authorized by the State Planning Commission which are now under development. 25X1
3. a. Part A
 1. Decimeter triode ID 12 , 80 watt maximum, for wavelengths down to 8 cm.
 2. " " ID 11 , " " maximum, for wavelengths down to 11 cm.
 3. " " ID 9 , 300 " maximum, for wavelengths down to 8 cm.
 4. " " ID 7 , 350 " maximum, for wavelengths down to 8 cm.
 5. " " ID 6 , 350 " maximum, for wavelengths down to 13 cm.
 6. 730 impulse magnetron, 20 kilowatt maximum, with normal and L-type cathodes, for wavelengths down to 3.2 cm.
 7. 723A/B reflex klystron, 10 milliwatt maximum, for wavelengths down to 3.2 cm.
 8. 726B reflex klystron, 10 milliwatt maximum, for wavelengths down to 10 cms.
 9. 707B reflex klystron with external circuit, for the range 8-25 cm.

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STATE	X	ARMY	EV	X	NAVY	X	AIR	X	FBI		AEC		ORR	EV	X		
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(NOTE: Washington distribution indicated by "X"; Field distribution by "#".)

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10. XL 2A/10 double-chamber klystron, 10 watt maximum, for wavelengths down to 10 cm (note: development work on this tube is being carried out at VEB Funkwerk Erfurt).
11. 721A (IG 76) blocking tube (Sperroehre) with external circuit for wavelengths down to 10 cm.
12. 724 (IG 80) blocking tube with external circuit for wavelengths down to 3.2 cm.
13. 1 B24 (IG 79) blocking tube with built-in circuit for wavelengths down to 3.2 cm.

b. Part B

1. 2332a Nullschluss Magnetron*, 50-175 watt for the range 2.8-10 cm.
2. 2332b " " 16-60 " " " " 1.5-3 cm.
3. 707B reflex klystron ? " " " " 8 -25 cm.
(note: this is superseded by 6 BL6 for the range 6-20 cm.)

c. Part C

1. Impulse amplifier tubes QQE06/40 and RS 1003
2. 3 kilowatt VHF tetrode or triode
3. 50 kilowatt HF and VHF tube
4. 20 kilowatt triode
5. Transmitter tube for 500 mcs.
6. Blocking tubes IG 76, 79 and 80
7. Impulse magnetron 730
8. 250 watt magnetron
9. Magnetron for the 10 cm range
10. Reflex klystron 726B
11. Low noise level travelling-wave tube
12. End stage travelling-wave tube
13. Reflex klystron 707B
14. Amplifier tube (pencil tube) for the centimeter range
15. Broadcast tubes for wavelengths down to the decimeter range: PL 83/81; EF 80; PY 81; PCC 84; PCF 82; 6 AJ 4; and 6 AF 6
16. Gas-filled double-grid thyatron

*Note: Literally zero terminal magnetron .

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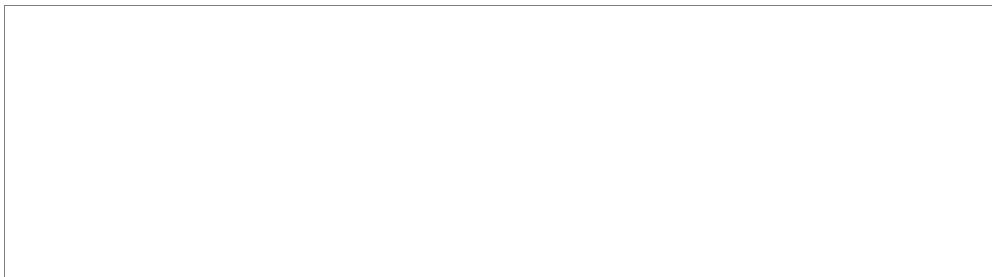
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17. Thyatron with cold cathode

18. High-constant stabilizer hydrogen thyatron



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